



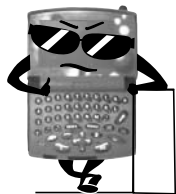
# User's Guide



## Personal Communicator

Model V.100  
GSM900/1800 MHz





## Introduction


Congratulations! You are now the proud owner of a Motorola® V.100 Personal Communicator. Your new communicator combines advanced calling and messaging capabilities in a small compact unit that is stylish, easy to use, and will look great on you when you wear it with the holster.


Your new communicator provides cool and exciting ways to keep in contact with your family, special friends, and your pals. Just review this user guide carefully and you will be ready to start using your new communicator.

**A detachable Quick Reference Card is included with this guide.**

## Personalized Control

You can setup your Personal Communicator to access important messages, phone numbers, and features quickly. You can even answer calls with just one push of a button, even when your communicator is closed. When you are performing routine tasks, your communicator provides prompts and messages that assist you with the next task or confirms your selection.

- You can add nine of your most used features in your Quick Access menu so you can get to them with just a couple presses of a button.
- With Voice Notes, you can record notes to yourself or parts of a call. This is quite convenient for taking directions or messages, especially if you don't have paper and a pen.
- Voice Tags lets you add voice activated commands to call your phone book entries. You can also add voice commands to select Quick Access options.
- The  button lets you display your book entries quickly. Just one press and you're there!

- When your communicator is closed or in the holster, press  , located on the outside of your communicator, to quickly and easily answer a call.
- With VibraCall™, your communicator alerts you of new messages and calls with a vibration if you don't want to disturb others, or you are in a noisy environment.
- You can personalize the menus by choosing the features you want readily available and store the ones you use less frequently out of sight. See “Extended Menus” on page 59 for more details.

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## Safety

**Important:** Read this information before using your Personal Communicator.

### Exposure to Radio Frequency Signals

Your Personal Communicator is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals.

International agencies have set standards and recommendations for the protection of public exposure to RF electromagnetic energy.

- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1996
- Verband Deutscher Elektrotechniker (VDE) DIN-0848
- United States Federal Communications Commission, Radio Frequency Exposure Guidelines (1996)
- National Radiological Protection Board of the United Kingdom, GS 11, 1988
- American National Standards Institute (ANSI) IEEE. C95. 1-1992
- National Council on Radiation Protection and Measurements (NCRP). Report 86
- Ministry of Health (Canada), Safety Code 6

These standards are based on extensive scientific review. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the updated ANSI standard.

The design of your communicator complies with these standards when used normally.

### Antenna Care

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the communicator and may violate local agency regulations.

## Operation

**Normal Operation** - The communicator is designed to be used with a headset for talking and listening. The communicator can also be placed inside the holster, then the holster can be clipped onto your belt, pocket, handbag, or other apparel and used with the headset.

**Tips on Efficient Operation** - Observe the following guidelines to operate your communicator most efficiently.

- Extend your antenna fully, if applicable.
- Do not touch the antenna unnecessarily when the communicator is in use. Contact with the antenna affects call quality and may cause the communicator to operate at a higher power level than otherwise needed.

## Batteries

***Caution: All batteries can cause property damage, injury, or burns if a conductive material, such as jewelry, keys or beaded chains, touches exposed terminals. The material may complete an electrical circuit and become quite hot. To protect against such unwanted current drain, exercise care in handling any charged battery, particularly when placing it inside your pocket, purse, or other container with metal objects. When the battery is detached from the communicator, your batteries are packed with a protective battery cover; please use this cover for storing your batteries when not in use.***



## Driving

Check the laws and regulations on the use of wireless communicators in the areas where you drive. Always obey them. Observe the following guidelines when using your communicator while driving.

- Give full attention to driving--driving safely is your first responsibility.
- Use hands-free operation, if available.
- Pull off the road and park before making or answering a call if driving conditions so require.

## Electronic Devices

Most modern electronic equipment is shielded from RF signals. However, certain equipment may not be shielded against the RF signals from your communicator.

## Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of six inches (6") be maintained between a handheld wireless communicator and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers:

- should ALWAYS keep the communicator more than six inches from their pacemaker when the communicator is turned ON
- should not carry the communicator in a breast pocket
- should use the ear opposite the pacemaker to minimize the potential for interference
- should turn the communicator OFF immediately if you have any reason to suspect that interference is taking place

## Hearing Aids

Some communicators may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.

## Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Turn your communicator **OFF** in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

## Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

## Posted Facilities

Turn your communicator **OFF** in any facility where posted notices so require.

## Aircraft

Switch **OFF** your communicator before boarding an aircraft.

Airline regulations prohibit using your communicator while in the air. Check and comply with the policy of your airline regarding the use of your communicator while the aircraft is on the ground.

## **Blasting Areas**

To avoid interfering with blasting operations, turn your communicator OFF when in a "blasting area" or in areas posted: "Turn off two-way radio." Obey all signs and instructions.

## **Potentially Explosive Atmospheres**

Turn your communicator **OFF**, do not remove your battery when you are in any area with a potentially explosive atmosphere, and obey all signs and instructions. Sparks from your battery in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include fueling areas such as gasoline stations; below deck on boats; fuel or chemical transfer or storage facilities; areas where fuel odors are present (for example, if a gas/propane leak occurs in a car or home); areas where the air contains chemicals or particles, such as grain, dust, or metal powders; and any other area where you normally would be advised to turn off your vehicle engine.

## **For Vehicles Equipped with an Air Bag**

An air bag inflates with great force. Do NOT place objects, including both installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

## European Union Directives Conformance Statement



This product is in conformance with the requirements of the applicable EU Council Directives. Declarations of Conformance with the requirements are located at:

Motorola Ltd.  
European Cellular Subscriber Division  
Midpoint, Alençon Link  
Basingstoke, Hampshire RG21 7PL  
United Kingdom

**APPROVED** for connection to  
telecommunications systems specified  
in the instructions for use subject to  
the conditions set out in them.



**S/1357/4/V/503894**

# Getting Started

## Installing the SIM Card and Battery

Before you can send or receive messages or calls, you need to install your SIM (Subscriber Identity Module) card and the battery. The SIM card that was supplied by your service provider contains your Personal Communicator's number, service details, and memory for storing numbers and messages.

**Note:** Some networks let you make emergency calls without a SIM card.

**Note:** Your SIM card can be used in someone else's communicator and you will be charged for the call, so keep it in a safe place. Do not bend or scratch it and do not expose it to static electricity or water.





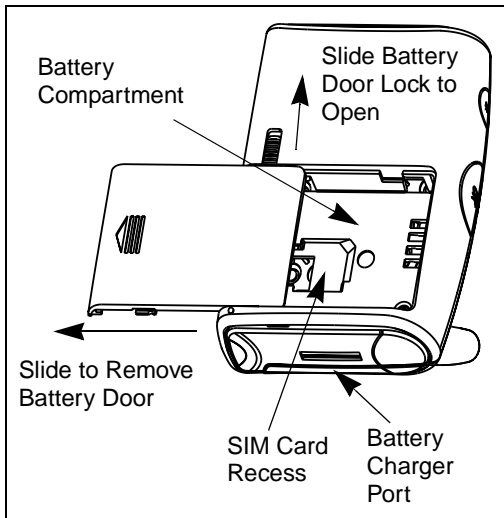
### **SIM Card and Battery Installation**

1. Remove the battery cover.
2. Slide the SIM card into the recess so that the notch in the card lines up with the notch in the recess.
3. Align the contacts on the battery with the contacts in the battery compartment and press downwards toward the contacts until the battery clicks into place.
4. Replace the battery cover.

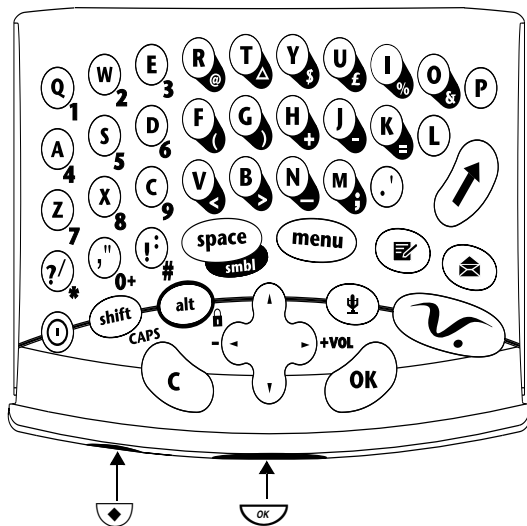
**Note:** If the SIM card is inserted incorrectly, "Check Card" is displayed. Remove the SIM card and re-insert it. If the card does not work, contact your service provider.

### **Charging your battery:**

- Charge the battery by inserting the adapter plug into the port on your communicator and plugging the adapter into a wall outlet.
- Charge your battery at room temperature and never leave it in really hot, cold, or wet places.
- Charge only Motorola batteries in your communicator.



## Control Buttons





Press and hold to turn on or off.



Press to accept and end a call, setting, or option.



Used to reject or cancel a call, setting, option, and to return to the previous screen. When in text mode, press to delete the previous character.



Press to enter the Quick Access menu.



Press to access the Main Menu.



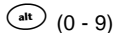
Use to scroll through menus and text, and increase and decrease volume.



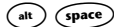
Press to read a message.



Press to write a message.



Press for ALT and 0 - 9 numbers.



Press for symbols and additional characters.



Smart Button. Use to answer, make, and end calls, access your Phone Book, and recall a number using Voice Tags.



Press once to capitalize a letter. Press twice for continuous capitalization, press twice to stop capitalization.



When the communicator is closed, or in the holster, press to answer and end a call.



Press to start and stop recording Voice Notes.





## The Display

ABC123

Displays text and numbers.



Signal Strength. The more segments, the stronger the signal strength.



A call is in progress or hanging up.



Displayed when on a system other than your home system.



Home Zone. Availability depends on your service provider.



Displayed when a Short Message Service (SMS) message is received. Flashes when you have an unread SMS message, or your message storage area is full.



Displayed when you have voicemail. Availability depends on your service provider.



Call Ringer is On.



Battery Charge Indicator. The more segments, the stronger the charge.



Displayed when the Quick Access menu is open.



Menu item is currently selected.

12:00


Real Time Clock. Displays the time in either AM/PM or 24 hours.

## Backlight

Your communicator's backlight turns on anytime a button is pressed, and remains on during keyboard activity.






## Turning On Your V.100 Personal Communicator

Press and hold  until your communicator vibrates or makes a sound.


**Note:** If the SIM card is not installed, your communicator displays a message to install one.

## Entering your SIM Card Personal Identification Number (PIN)




1. When prompted, enter your PIN and press .
- If you make a mistake, press and release  to remove the last character, or hold down  to remove the multiple characters.
- If you enter the wrong PIN, your communicator lets you know with a displayed message.

**Note:** If the correct PIN is not entered within three attempts, your communicator locks up. See “Change Unlock Code” on page 58.

## Entering your Unlock Code

When prompted, enter your unlock code, then .

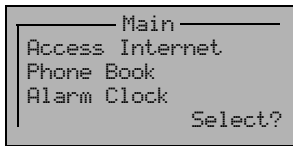


**Note:** If you forget your unlock code, press  , enter your security code, enter a new unlock code, then press .

When a network name is displayed, it means your communicator is ready for use.

## Turning Off Your Personal Communicator

Press and hold .



*Main Menu Example*

## Tips on Using this Guide

### The Main Menu

Your communicator's features are accessible through the Main Menu. Press **menu** to display the Main Menu. To scroll through the Main Menu, use **+**. Press **OK** to enter a submenu.

### Menu Navigation

Many of your communicator's features are accessed by using menus and submenus for selection, change, or cancellation. Please read this section carefully. When you understand the menu navigation, you will be able to access and change settings with ease.

### Entering the Menus

- **menu** - press to enter the Main Menu when your communicator is in the Standby mode.
- **Q** - press to enter the Quick Access menu.




### Getting Around in the Menus

- **+** - to scroll through menu selections.
- **OK** - to enter the selected menu and to accept and confirm settings.
- **C** - to go to the previous screen without making changes. (When in text mode, use to backspace and delete characters.)
- **✓** - indicates the current setting of a feature (usually on or off).




## Exiting the Menu

-  - press and hold for 2 seconds to exit any menu or screen and return to the Standby screen.

## Short and Extended Menus

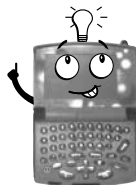
As you become accustomed to your communicator's menus and features you use the most, you can select which menus you want readily accessible, and which one you want to store out of view.

With extended menu, all features are always displayed. When you add a feature to the short menu, it is not displayed until you choose to display it.




1. To move a feature from the extended menu to the short menu, highlight the feature then press and hold  until a menu prompting a decision is displayed.
2. Select either to move or keep it on the short menu, or to move or keep it in the extended menu.


**Note:** If a feature can not be moved to the short menu, you communicator will let you know with a message.

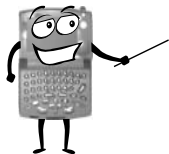
**Note:** To turn extended menus on or off, refer to "Extended Menus" on page 59.



## How to Use the Control Buttons

The control buttons are represented as graphics which look like the buttons on your communicator. A sequence of button presses might be shown as:   .

This means that you would press , then  and then  in sequence, not at the same time.



## Prompts and Messages

Your communicator responds to button presses by displaying easy to understand prompts to guide you to the next action, or simple messages confirming that your action is complete.



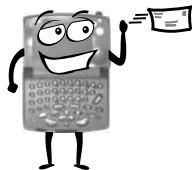
## Testing your V.100 Personal Communicator

It's a good idea to test your service by sending a Short Message Services (SMS) message or by calling a friend or family member, from your communicator. Start by using the phone number, web site, or email address (and a PIN, if required) your service provider gave you, then try making a call. When you reach a friend or family member, ask them to send a message to you or call you back. Refer to the following sections for information about SMS messages and making and receiving calls. If your communicator does not send or receive messages or calls, contact your service provider. After you've tested your communicator, read the rest of this guide to learn about the many useful features of your new communicator.







## SMS Messages









Your communicator can send and receive Short Message Services (SMS) that are sent by your service provider. These messages are transmitted for a limited amount of time. If a memory location is not available before the message is removed from the network, it is not stored.



### Sending an SMS Message






1. Press .
2. Type your message.
3. Press .
4. From the message editor, select to send the message, then press .
5. Choose from the menu selections to enter the phone number, then follow the prompts given by your communicator.
6. When the phone number you want to send your message to is displayed, press .

### Entering Text




- To type a single capital letter, press and release , then type the letter.
- To type multiple capital letters, press  . To switch back to lowercase letters, press   again.
- If you make a mistake while typing, press  to erase the previous character. To erase multiple characters, press and hold . You can also use  to move to another character or line to make a correction.
- To enter non-Roman characters, refer to “Non-Roman Characters” on page 70.



### Entering Numbers in Text Mode

- To type a single number, press  then type the number.
- To type a series of numbers, press  . To stop entering numbers, press   again.



### Storing an SMS Message



1. Press  and type your message.
2. Press .
3. Select the store option, then press . Your message is automatically stored in the Outgoing Message folder.



### Receiving and Reading an SMS Message

*Cool...I got a message! Before long you'll be getting a lot of messages.*

When an SMS message is received, your communicator alerts, displays  and stores the message. If there is not enough memory to store the message,  flashes. One or more messages must be deleted before the message can be stored.

1. Press  to read the message.
2. Select your view options for the message and press .
3. You can reply to the message, store it, or delete it.




## Sending Email Messages using SMS



Contact your service provider to find out if this option is supported and to get the email server number.

Here's an example of what you type to send a "Hello" message to email address "abc123@isp.com": **abc123:isp.com#Hello.**



## Making a Call



**Note:** Don't forget to use your headset so you can hear your call. Use  to decrease or increase the volume level.

**Note:** You can press  to quickly go to your Phone Book, select the number you want to call, then press .

Enter the phone number then press .

**Note:** If you make a mistake, press and release  to remove the last character, or hold down  to remove multiple characters.

### International Phone Calls


1. Press and hold **0** (zero) until + is displayed.
2. Enter the country code, then the phone number. The country code follows the conventional format, 49 for Germany, 44 for the UK, 46 for Sweden, etc.

Just like a conventional international call, remove the leading "0" of the area code when you dial.



## GSM Emergency Calls

The world-wide GSM standard provides a single number, 112, to dial in cases of emergency. The emergency call is directed to a central operator. The call can be made without any security codes and, depending on the network, without a SIM card inserted.

To dial the GSM emergency number, press **112** .

## Ending a Call


Press  or .


## Redialing the Last Number Called from Standby Mode


Press   .

## Receiving a Call



**Note:** Don't forget to use your headset so you can hear your call. Use  to decrease or increase the volume level.



Press  to answer the call.

**Note:** When your communicator is closed or in the holster, you can press , located on the outside of your communicator, to answer a call right away.





## In-Call Menu

There's lots of things you can do during a call. To access the in-call menu, press  during a call, to exit the menu, press .

**Note:** Menu selections depend on the state of the call, the type and setting of your SIM card, and your subscription to these services. The following paragraphs explain all possible options.

### Hold Call

You can place a current call on hold and accept an incoming call, or start a second call.






#### *To put an Active Call On Hold*

1. Press  .
2. To reconnect, press .



### Make a New Call

Select this option to put an active call on hold and make a call to someone else.

1. Press .
2. Select the make a new call option, enter the number, then press .
3. To end the new call and go back to your first call, press   .

### Turn Mute On or Off

Turns the microphone off during a call. Select again to turn the microphone back on.

### Restrict My Number

You can keep your communicator's number a secret while you make a call.



## End Active Call

When a call comes in while you are already on a call, you can end the active call.

1. Press **OK** to put the active call on hold.
2. Press **menu**, select the end active call option, then press **OK**.

**Note:** If you have a call on hold, it becomes your active call.

## Reconnect

Use to go back to a call that's on hold.

## Reconnect Held Call

This is similar to Reconnect. If you have a call on hold, and a call waiting, select this option to connect with your held call.

## End Held Call

Time to say bye to the person you put on hold.

1. Press **menu**.
2. Select End Held Call, then press **OK**.



## End Current and Held Call

Select this to say bye to everyone.

## Conference Calls

Let's have a phone party! If you have both Conference Call and Call Waiting, you can talk to up to 5 people at the same time.

### ***Starting a Conference Call***

1. Call one of the people you want to conference with.
2. Place the active call on hold, dial another phone number, then press **OK**.
3. Press **menu** then select Conference Call.

**Note:** There may be times when your request is not successfully completed. Wait a little while, then try your call again.

### ***To Add a Person to your Conference Call***

1. Place the Conference Call on hold.
2. Add a new call by:
  - Entering the phone number.
  - Making a new call.
  - Recalling a Phone Book Entry.
  - Answering a Call Waiting.
3. Select In-Call then Conference Call to bring in the new call.





## Transfer Calls

If you have both Conference Call and Call Waiting, you can transfer a call to another phone.

### *Initiating Transfer Call Before the Third Party is Connected*

1. Press **menu** and select the transfer call option.
2. Enter the number to where you want the call transferred, then press **OK**.

When the call is transferred, you are disconnected automatically.

**Note:** There may be times when a call transfer is not completed successfully. Please try again.

### *Initiating Transfer Call After the Third Party is Connected*

Press **menu** and select the transfer call option. After the call is transferred, you are disconnected automatically.

## Split Call

Want to share a secret or a private joke with someone? Split call allows you to separate a conference call member and have a private conversation with them.


**Note:** You can not have any calls on hold to have a split call.

1. Press **menu** then select Split Call.
2. Press **+** until the phone number of the person you want to separate from the conference call is displayed, then press **OK**. You can now talk privately to the person.
3. To re-join both of you to the Conference Call, re-select Conference Call from the In-Call menu





## Reject Waiting Call



When you're too busy to talk, you can reject an incoming call by pressing and holding .

## Voice Notes

With VoiceNotes, you can record up to three minutes of voice messages for yourself or record part of a call. You can record when your communicator is idle, when you are on a single call, or when you are on an active call with a waiting call.



### Recording a VoiceNote

1. To start recording, press .
2. To stop recording, press  again.

### Notes:

- When recording a call, both parties are recorded and the other party hears a tone every 10 seconds.
- Recording stops automatically if you accept or make a call.
- While recording, your communicator alerts you at ten seconds, and again at one second before recording capacity is reached. If you do not stop recording, recording automatically stops.

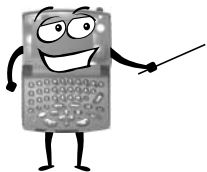
To listen to your VoiceNote, select VoiceNotes from the Messages menu.



## Voice Activation

With Voice Activation you can dial a phone number or access a feature with a single spoken command called a Voice Tag.

You can assign Voice Tags to Phone Book numbers and to Quick Access features.



### Important Notes:

- You cannot assign Voice Tags to numbers in your SIM card memory.
- When recording a Voice Tag, you cannot make or receive calls.
- For best results, make sure there is no background noise and speak in a clear, natural voice when recording.
- Your communicator can record two seconds for each Voice Tag.
- You cannot record Voice Tags if you have selected to prevent access to phone memory, see “Prevent Access” on page 40.

## Adding Voice Tags for Phone Book Entries

You can have up to 25 Phone Book Voice Tags, and add a new Voice Tag when you set up a Phone Book entry.



### **Add Voice Tag**

When you add an entry to your Personal Numbers list, your communicator asks you if you want to add a Voice Tag. If you don't want to add a Voice Tag, press **C**.

#### **To add a voice tag:**

1. Press **OK**.

**Note:** If there are already 25 Phone Book Voice Tags in your communicator, you need to delete one before you can add another.

2. When prompted by the communicator, press **OK** and record after the tone.
3. When recording is successful, your communicator returns to the Add To Phone Memory menu.

**Note:** If the recording is not successful, the communicator prompts you to record again.

### **Add or Edit Voice Tag**

If an entry already has a Voice Tag, **V** is shown before the location number.

1. Find the entry either by name or location.
2. Press **OK**, then select to add or edit the Voice Tag.
3. To add or edit the Voice Tag, follow the steps in "Add Voice Tag" above.

### **Delete Voice Tag**

1. Find the entry either by name or location, see "Personal Numbers" on page 39.
2. Press **OK**, select the delete option, then press **OK** again.













## Using Voice Activation with Phone Book Entries

You can easily access phone book entries that have Voice Tags assigned to them.

### ***Voice Activation from the Standby Mode***

1. Press . When prompted, say the Voice Tag name. The communicator highlights the matching entry in your phone book list. If there is no matching entry, the communicator highlights an alternate entry in the list.
2. Press  to make the call,  to select a different entry, or  to cancel.

### ***Voice Activation from the Phone Book Menu***

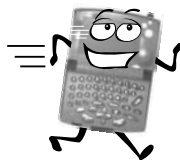
1. Select Voice Dialing from the Phone Book menu.
2. When prompted, press .
3. When prompted, say the Voice Tag name. If a matching entry is found, the communicator highlights it or highlights an alternate entry in the list.
4. Press  to make the call,  to select a different entry, or  to cancel.





## Access Internet



When you're on the go, you can still keep up with the latest news, sports scores, entertainment stories, check flight status, and much more. Access Internet is a network and subscription-dependent feature that offers mobile internet access of Information Services and certain web sites using the Wireless Application Protocol (WAP). Contact your service provider for details about these services.



### Mobile Internet Home Menu

**Note:** Your service provider determines the layout and information shown on your communicator.

After connection is made, your ISP's Home menu is displayed. A typical Home menu page might contain the name of your ISP and a list of options to select from.

1. Highlight the option menu you want, then press .
2. To return to the previous screen, press .

If the text in a menu is too wide for the screen, the communicator uses two screens and repeats each half of the menu until you make a selection.



## Internet Browser Menu

### To display the browser menu:

1. Press and hold **menu** for at least 2 seconds.

**Note:** If you release **menu** too quickly, you might enter the menu for the currently highlighted option.

2. Scroll to the menu selection you want, then press **OK**.

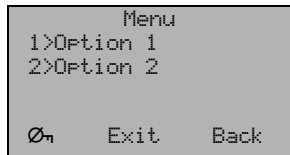
### A typical browser menu might include:

- Help - provides help for the previously highlighted option.
- Home - return you to your ISP's home page.
- Mark site - lets you add a site to your Bookmarks folder.
- Setup - contains the options to set up your ISP access.

## Using the Soft Keys


During a mobile internet session, the functions of the **menu** and **OK** buttons change to accommodate the current display. In the example display, to go back to the previous screen, you need to press **OK**, to quit and exit, you need to press **menu**.

When you want to go to a previous screen, press **C**.



*Soft Keys Example*














## Mobile Internet Messages

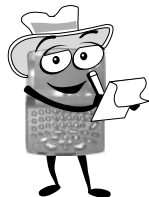
Messages displayed in the bottom left portion of the screen indicate when activity such as receiving or sending data, connecting to the internet, and internet activities are being performed. A  indicates you are in a non-secure internet location.

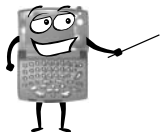
**Note:** Your ISP determines the icons and messages displayed on your communicator.

## Entering or Editing Text Within a Mobile Internet Session

You can enter or edit text the same way you do for all other text functions. However, you can't access the non-Roman characters.

- For a single capital letter, press and release .
- For multiple capital letters, press  . To switch back, press   again.
- Press  to erase the previous character, press and hold for multiple characters.
- For ~, press   **t**.
- For a single number, press  then type the number.
- For a series of numbers, press  . To stop entering numbers, press   again.






## Setting Up for Mobile Internet Access

Your service provider may set up your mobile internet access for you. If not, you will need the following user information to set it up:

- **Primary Data Gateway:** the IP address to access the mobile internet.
- **Phone Number:** the number your communicator calls to access the internet. This is provided by your ISP.

- **User Name:** provided by your ISP.
- **User Password:** provided by your ISP.
- **Baud Rate:** this is likely to be 9600, the standard data rate for GSM phones.
- **Idle Time Out:** the amount of time the communicator waits before hanging up if it detects no internet activity.
- **Line Type or Port:** modem or ISDN.
- **Connection Type:** non-transparent or transparent.

### *To set up your mobile internet access:*

1. From the browser menu, select Setup, then press .
2. Enter your user information by first selecting an item and choosing the softkey to edit it as necessary.
3. When you have entered all information, exit to the Standby Screen, turn your communicator off and then on again to register all information or changes.





## Setting a Bookmark

You can set up bookmarks so you can quickly access your favorite internet sites.

1. From your browser menu, select Mark Site.
2. Press any key from 1 to 9 when prompted. The communicator provides a confirmation message that the bookmark has been stored.
3. To go back to the bookmark, press and hold the appropriate location number key (1 through 9).

## Internet Service Alerts

You do not need to be using the mobile internet to receive an internet service alert. When you receive an alert, your communicator displays a screen with the details. Press **OK** to view the contents or **C** to reject it.



## Making and Receiving Calls During a Mobile Internet Session

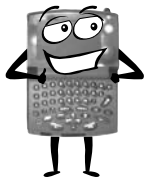
You must first end the mobile internet session, then make your call in the normal way. If you receive a call, press **OK** to accept it **C** to reject it.

If you answer a call, press **OK** to resume your mobile internet session or **C** to return to the Standby mode.

## Ending a Mobile Internet Session

Press and hold **C** until your ISP's Home page is displayed, then press **C** again.

**Note:** To quickly exit a mobile internet session, press **END**.



## Phone Book

You can store important numbers in your Phone Book so you can quickly and easily retrieve them.

Your Personal Communicator can store 100 entries and the SIM card can store up to 155 entries in your Personal Numbers list. The number of SIM card entries vary depending on the type of SIM card issued by your service provider.

You can store up to 40 entries in a Fixed Dialing list, if you have this feature. Fixed Dialing allows limited use of your communicator to particular numbers, or, if you wish, to country codes, area codes, or other prefixes of your choosing.

Each Phone Book entry contains:

- A telephone number. Up to 32 digits can be stored, but this is reduced to 20 digits for SIM card locations.
- A name. Up to 16 characters for phone locations. Up to 50 characters for SIM card locations.
- A location label - from 1 to 255 in your Personal Numbers list, or 1 to 40 in your Fixed Dial list.






## Inserting Pauses Into Phone Numbers

Pauses can be inserted into a string of numbers to allow the called number time to react to certain activities such as going into voice mail or entering a password.

To insert a three-second pause in a phone number, press and hold (\*) until □ is displayed.




For example, you have voicemail on 555-6911, with mailbox number 1066 and password 2001. Then you can dial: 5556911□1066□2001 then press .

The first part of the number calls the voicemail system. When the call is answered, there is a pause before the tones for 1066 are sent. Then there is a second pause before the tones for your password of 2001 are sent.

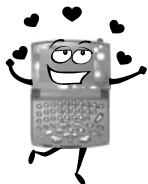


## Voice Dialing

You can quickly access a phone number that has a Voice Tag assigned to it.

1. When selected, your communicator prompts you to press the Smart button .
2. Next, you are prompted to say the name (Voice Tag) after the tone.
3. Press  to make the call, or highlight a different selection then press .






## Personal Numbers




Use to create and manage your list of personal numbers.

### ***Find Entry By Name***

Use to find a number from your list of Phone Book names by typing up to three of the first characters of the name, then press .

### ***Find Entry By Location***

Use to select a number from your list of Phone Book locations.


1. At the prompt, enter a location number, then press . If the number is not valid, the Phone Book list is displayed and the number closest to your entry is highlighted.
2. Use  to navigate through the entries.
3. Press  to make your selection. From the submenu select:
  - Switch View - to display the information for the selected entry.
  - Call Number - to call the selected number.
  - Modify Name or Details - to modify the information for the selected entry.
  - Erase Name and Number - to delete the phone book entry.
  - Add or Edit Voice Tag - to add or edit a Voice Tag.





### **Add Entry**

Allows you to add a phone number and name to the communicator's (phone) memory or to SIM card memory.

1. When prompted, enter the phone number, name and a location number. If you do not specify a location number, the entry is stored in the next available location.
2. The communicator then asks if you want to enter a Voice Tag. For information about Voice Tags, please see "Add Voice Tag" on page 30.
3. If you don't want to add a Voice Tag, press .

### **Check Capacity**

Use to check the number of free Phone Book or SIM card memory areas. From the submenu you can:

- Check Phone Capacity and Check SIM Capacity - displays the phone and SIM capacity.

### **Prevent Access**

Select to prevent access to your Personal Numbers list.

**Note:** You will not be able to record Voice Tags if you choose to prevent access to phone memory.

- To SIM Card Memory, To Phone Memory, To Phone & SIM Memory, No Memory Restrictions - You can prevent access to your SIM card memory, the communicator's memory, both, or cancel all access restrictions. To change restrictions, follow the instructions given by the communicator.



## Last Ten Calls

When selected, allows you to review time and date information of your last 10 missed or answered calls, or to calls you made. Depending on your selection, you can redial a phone number, store a phone number, or erase all of the phone numbers.

**Note:** This list is erased when a new SIM is inserted in the communicator.

## My Phone Numbers

When selected, displays your list of phone, fax and data numbers. From the submenu, you can:

- Modify Name or Details - to make changes to the selection.
- Switch View - to display information for the selected entry.

**Note:** The list is stored on your SIM card. Depending on your service provider, one or more of these entries is already defined and you may not be able to change them.

## Fixed Dialing

Limits the use (typically third-party) of your communicator to a predefined list of telephone numbers, country codes, area codes, or other prefixes. When set, the communicator does not allow dialing of any number other than an emergency number. This option may be affected by the call barring setting.





### **View Fixed Dial List**

Use **+** to scroll through the numbers in the list. Press **OK** to make a call.

### **Setup Fixed Dialing**

Use to turn Fixed Dialing on or off, and to enter or change entries in the list. After you enter your PIN2 code, you can:

- Edit Entry - scroll to the entry you want to change, press **OK** to edit the entry or **C** to erase it.
- Add Entry - to add a phone number and name, and a location number. If you do not specify a location number, the entry is stored in the next available location.
- Erase Entry - scroll to the entry you want to delete then press **OK**.

**Note:** Fixed Dialing does not allow you to make fax or data calls.

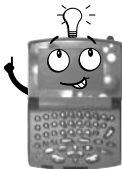
To make a call when Fixed Dialing is on, dial the number manually, or select it from the Fixed Dial list.



### **One-Touch Dial Setting**

You can specify which phone book list is one-touch dialed. The selections are:



- To Phone Memory - changes One-Touch Dialing to your Personal Numbers list (locations 1 to 9).
- To SIM Card Memory - changes One-Touch Dialing to your Personal Numbers list stored on your SIM card (locations 101 to 109).
- To Fixed Dial list - changes One-Touch Dialing to your Fixed Dial list (locations 1 to 9).



### ***One-Touch Dialing from Phone Book Numbers***

To quickly retrieve and dial a number stored in one of the first nine locations of your Phone Book, press and hold the appropriate number key. For example, press and hold **2** to call the phone number stored in location 2 of your phone book.

### ***Dialing Phone Book Numbers with Smart Button***



- Press  and say the Voice Tag name after the tone.
- Press  then scroll to the number, or press the appropriate number to skip to a particular letter.

## **Alarm Clock**

You can set up to 5 alarms on your communicator, and attach a 40-character memo to each alarm.

### **Set Alarm**

Each alarm can be set to alert on a specific day and time, daily, weekly, every Monday through Friday, or every Monday through Saturday.


1. To set an alarm, select the day(s) for the alarm to occur.
2. When prompted, enter the alarm time using the numbers on the keypad, then press .
3. When prompted, enter your reminder memo then press .

**Note:** Depending on your alarm selection, you may be required to enter the date for the alarm.





## Show Alarm Status

When selected, displays the alarms that are set. Use  to select an alarm. From the submenu, you can:

- Switch View - see the details for alarm. Select Switch View again to return to the previous screen.
- Edit Alarm - change the time, date, and attached memo.
- Disabled Alarm - suspends (but does not delete) the alarm.

## Call Related Features

### Show Battery Meter

Displays the remaining battery charge. The more segments displayed, the more battery charge is left.

### Restrict My Phone Number

This is a network dependant feature. Please check with your service provider for more information.

### *Show ID on Next Call*

Sends your communicator's number with the next call.

### *Restrict ID on Next Call*

Prevents your communicator's number from being sent with the next call. You need to reselect this option each time you want to restrict your ID.



## Call Diverting

You can have incoming calls sent to other phone numbers.

**Note:** You can not set call divert when you are out of your network coverage area.

### *Divert Voice Calls*

You can have all voice, fax, and data calls sent to other phone numbers. From the submenu you can:

- **Divert When Unavailable** - diverts all incoming Voice calls to a single number whenever your communicator is unavailable. To divert, select On, then enter a diversion phone number.

**Note:** When set to On, has the same effect as setting all “Detailed Diverting” options to On and takes priority over Detailed Diversion settings.

- **Divert All Voice Calls** - divert all incoming Voice calls to a single number. To divert, select On, then enter a diversion phone number.

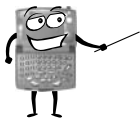
**Note:** When set to On, this option takes priority over all other Voice call diversion settings.

- **Detailed Diverting** - diverts Voice calls to different numbers, depending on the current status of your communicator. The selections are:
  - **If Busy** - diverts incoming calls when your communicator is busy.
  - **If Not Reachable** - diverts incoming calls when your communicator cannot be contacted by the network.
  - **If No Answer** - diverts incoming calls when you do not answer.





- Divert Fax Calls - diverts Fax calls to a single number. When set to On, you need to enter a diversion phone number.
- Divert Data Calls - diverts Data calls to a single number. When set to On, you need to enter a diversion phone number.
- Cancel All Diverting - cancels diversion of incoming calls, resets all diversion settings to Off, and removes all diversion numbers.



### Call Waiting

When set to On, you are notified of a waiting call by an audible alert and by a call waiting message. Press **OK** to answer the call or **C** to reject it.

If you have Caller Line Identification, the caller's number or name is displayed instead of the Call Waiting message. Availability of this feature depends on your service provider.

### Call Barring

Call barring is a network feature which can be used to bar outgoing and incoming calls. If you change the setting, you may be asked to enter your barring password. There is a short delay while the communicator notifies the network of the new setting. When the change is made, the communicator displays a confirmation message.

**Note:** The *initial* password is supplied to you by your service provider. This option may be affected by the Fixed Dialing setting.



***Bar Outgoing Calls***

- Int't Calls - bars all outgoing international calls.
- Int'l Calls Except Home - bars all outgoing international calls except those to your home country.
- All Calls - bars all outgoing non-emergency calls.
- Off - removes call barring for all calls.

***Bar Incoming Calls***

- When Roaming - bars incoming calls when you are roaming.
- All Calls - bars all incoming calls.
- Off - removes call barring for all calls.

***Cancel All Barring***

Cancels this option for all calls.

***Change Bar Password***

When prompted, enter the current password, then enter and confirm a new 4-digit password.




## Messages Menu

### Call Voicemail



Select to make a call to your voicemail number.

### Received Messages



**Note:** For quick access, press .

Displays the number of new and old SMS messages, then displays the message list.

1. Use  to scroll through your message list.
2. Most times, only a portion of your message is displayed. To view the entire message, press  to see your options.

### Switch View


Displays the entire message. Press  return to the view options screen.

### Delete Message

Deletes the message.

**Note:** Before you delete a message, make sure the message you want deleted was selected in your received message screen.

### Retrieve Numbers

You can retrieve all numbers embedded inside a SMS message. You can call the number, store it into your communicator, or store it into SIM card memory. Press  while viewing the numbers.



**Note:** Only 20 characters (32 characters, if GSM1900) of a number can be retrieved. If the number is longer than allowed, the remaining characters are not retrieved. Space and - (dash) characters are not counted as part of the character length.

### ***Reply to Message***

Type your message then press  to send it.

### ***Return Call***

When there is a phone number attached to a message, you can call the person who sent the message to you.

### ***Edit Message***

You can use the message editor to edit the message. Then you can either send the edited message or store it in your Outgoing Message list.

### ***Go to Next Message***

Displays the next message in the list.



### ***Delete All Messages***

Deletes all messages, read and unread.

**Note:** Once deleted, messages are not retrievable. It's a good idea to make sure you have read all your messages before deleting them.




## Outgoing Messages

**Note:** You can not send outgoing messages until the Message Service Center number has been set.

You can view and manage your outgoing messages that are stored on your SIM card. When selected, the number of messages is displayed followed by the first message in the list.

### **To send a Stored SMS Message**



Select the message from your message list, press  to view your options, then send it.

### **Switch View**

Displays the entire message. Press  return to the view options screen.

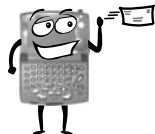
### **Send Message**

Add the destination phone number then send a message. From the submenu select to either enter the number, find it by name, or find it by location.

When you have set up a destination phone number, select  to send the message, press  again to confirm.

### **Edit Message**

Use to edit a message, then send or store it in your Outgoing Messages list.





## Delete Message

Use to delete the current message.

**Note:** Before you delete a message, make sure the message you want deleted was selected in your received message screen.

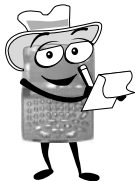
## Go to Next Message

Use to display the next outgoing message.

## Message Editor

Compose an SMS message and send it to a friend, or store it to send it later.

- For a single capital letter, press and release **shift**, then type the letter.
- For multiple capital letters, press **shift shift**. To switch back to lowercase letters, press **shift shift** again.
- Press **C** to erase the previous character, press and hold to erase multiple characters.
- To enter non-Roman characters, see “Non-Roman Characters” on page 70.
- For a single number, press **alt** then type the number.
- For a series of numbers, press **alt alt**. To stop entering numbers, press **alt alt** again.







**Note:** You don't always have to come to this menu to get to your message editor, you can press **Ⓜ** from any screen for immediate access.



## VoiceNotes

Play, erase, or show remaining time available for your recorded VoiceNotes. See “Voice Notes” on page 28 for more information.

### ***Play VoiceNote***

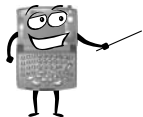
1. Scroll to the VoiceNote you want to play, then press .
2. Press  to stop playback.
3. To erase, set an alarm for a VoiceNote, or go to the next VoiceNote, press  to display the options menu.
  - Erase VoiceNote - erases the selected VoiceNote
  - Set Alarm (Alarmed VoiceNotes) - You can set an alarm to up to 5 VoiceNotes. For more information, see “Set Alarm” on page 43.
  - Go to Next VoiceNote - selects and plays the next VoiceNote in the list.
4. Press  to return to the previous menu.

### ***Show Time Available***

Displays the remaining recordable time.

### ***Erase All VoiceNotes***

Erases all recorded VoiceNotes







## Cell Broadcast

These are general messages that your service provider broadcasts in numbered channels to all Personal Communicators in a geographic area. Please contact your service provider for a list of available channels and the information they provide.

**Note:** Your communicator can receive these messages only when it is in Standby mode.

While a broadcast message is scrolling across the screen, you can:

- To stop and start the message, press .
- To remove the message, press .



**Note:** The  functions change while you are receiving a cell broadcast message. You need to remove the message before  functions return to normal.

When the message is complete, the beginning of the message remains displayed until you remove it, a new message arrives, or you leave the geographic area.

From the Cell Broadcast submenu, you can select On to receive these messages, or Off to stop receiving them.

**Note:** Selecting Off causes deletion of all stored cell broadcast messages.

### Channel List

- Channel Index - displays a list of available channels that you can edit. When you edit a channel, you also remove any message associated with it. Select the channel index you want to modify then press . Type in the channel number and press . The channel details are stored and your communicator returns to the channel index list.
- Delete All Channels - to delete all channel.





### ***Language List***

Use to select a different language for Cell Broadcast messages. Availability depends on the type and settings of the SIM card, and/or your subscription to this feature.

## **Message Settings**

### ***Voicemail Number***

You can enter, modify, or delete your voicemail number.

**Note:** Remember to add the + symbol and the appropriate country code prefix to the phone number.

### ***Service Centre***

You can modify or delete it as desired. Remember to add the + symbol and the appropriate country code prefix to the phone number.

**Note:** Before you can send messages, you need to enter your Message Service Centre number provided by your service provider.

### ***Expiry Period***

Use to specify the maximum time, in hours, that your unforwarded messages remain with the Message Service Centre before being deleted. The default is 24 hours. The maximum value you can enter is 10584, although the real limit depends on your Message Service Centre.





## **Outgoing Message Type**

This option is network dependent and can be used to specify the format of your outgoing messages. You can select Text (default), Fax, X400, Paging, E-Mail, ERMES or Voice. You do not need to select Voice to send messages to Voicemail boxes.

## **Phone Setup**

You can set custom alerts, the time and date, security codes, the contrast of your display, and other features.

### **Select Phone Line**

Allows you to switch between Line 1 and Line 2 of your communicator.

**Note:** Availability depends on the type and settings of the SIM card, and/or your subscription to this feature.



### **Adjust Ring Volume**

Use to increase or decrease the ringer volume of your communicator.

### **Ring or Vibrate**

From the submenu, you can set your communicator to ring, vibrate, a combination of both, or to no ring or vibrate (no alert) during incoming SMS and Internet service messages. However, if Vibrate then Ring is selected, your communicator just vibrates.

### **Set Ringer Tone**

Use to select a musical alert or a standard ringing tone for incoming calls.

## Set Ringer Tone 2

Use to select a tone alert for incoming calls on Line 2. This option does not available if you do not subscribe to Line 2.

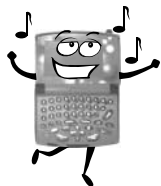
## Set Alarm Ringer Tone

Use to turn the alarm alert ringer tone on or off.

## Set Message Alert Tone

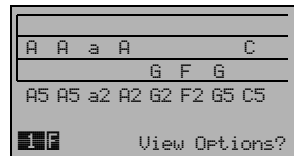
Use to set a musical alert or standard tone for incoming SMS messages.

## Edit Music Tone




Compose a musical alert and then send it via SMS to another compatible Motorola phone. The alert can have up to 35 notes and 3 octaves.

- **A** through **G** on the keyboard are musical notes A through G.
- **R** (rest) adds a pause. Press and hold **R** to extend the length of the pause.



*Edit Tone Example*

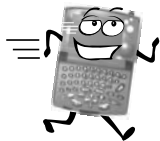
- Add a **P** between a note and the duration to change the pitch to either **Flat** or **Sharp**. Add a **P** anywhere else to change the pitch for all notes.
- Change the duration of a note or rest by placing the cursor between the note and the duration indicator, then enter the duration length: 1 is the shortest, 6 is the longest and equals one second.

- Change the octave of the note by placing the cursor on the note and use  to increase or decrease it.
- You can also change the tempo of your tune to 1 (slowest), 4 (fastest), or 2 and 3 for somewhere in between.

Now you are ready to listen (play) to your new tune. If you like it, you can save it, or you can go back and edit it or erase it and compose a new one.

### ***Send as SMS***

Impress your friends with your musical ability by sending your composed music tone via an SMS message to another Motorola phone. If you receive a music tone, you can play, save, or delete it.



### **Quick Access Setup**

You can customize your Quick Access menu so you can quickly get to the features you use the most. Refer to “Quick Access Menu” on page 68 for usage and set up information.

### **Phone Lock**

You can lock your communicator to prevent others from using it.

### ***Automatic Lock***

When set to On, your communicator is locked automatically when it is turned on. To use it, enter the unlock code.





### **Lock Now**

Immediately locks your communicator from further use. To use it again, enter the unlock code.

### **Change Unlock Code**

Use to change your unlock code. Follow the prompts given by the communicator, and enter a new code. The code set by the manufacturer is **1234**. If this code does not work, check with your service provider.

### **Adjust Contrast**

Lets you lighten or darken your display.

### **Require SIM Card PIN**

When set to On, you need to enter your SIM card PIN each time it is inserted or your communicator is turned on.

**Note:** This is not available if the SIM card does not support PIN code disabling.

How do I change my SIM card pin? No problem, your communicator gives you all the instructions.



**Note:** Be careful, if you enter your PIN incorrectly three times in a row, your communicator locks up. See “Entering your Unlock Code” on page 16 if this happens.



## Change SIM PIN2 Code

You can change your SIM PIN2 code just like you do your standard SIM code.

**Note:** Be careful, your communicator locks up if the code is entered incorrectly three times in a row.



**Caution:** If the PIN2 unblocking operation is performed incorrectly 10 times in a row, your PIN2 code becomes permanently blocked, please see your service provider.

## New Security Code

Enter the current security code, then a new six-digit code. Enter the new code again to confirm. The security code is set by the manufacturer to **000000**. If this code does not work, see your service provider.

## Extended Menus

Turn extended menus on or off. When Off, you are not be able to access any of the extended features.

## Show Time and Date

When selected, the time and date is displayed until you press another button.

## Set Time and Date

Setting the time and date is easy. Just follow the instructions given by your communicator. But remember, use the international date format (day/month/year).



## Set Time Format

You can change to either 12-hour or 24-hour format.

## Language Selection

All your prompts and help messages will be displayed in the language you select.

## Battery Saving Mode

Set this to On to help your battery lasts longer. All status indicators and the backlight for incoming Cell Broadcast messages are turned off.

## Select Keypad Tones

You can set this so you hear tones when you press the buttons on your communicator, or you can also turn off the tones.

## Phone Status

### *Status Review*

When selected, your communicator displays a list of menu items which have been changed from the default setting.

### *Master Reset*

Please use this feature with caution because it restores certain options to their default settings. This feature does the following:

- Cancels automatic answer, audible call timers, in-call display meter, battery saver, auxiliary alert, automatic handsfree, automatic lock, and cell broadcast.



- Restores language selection, band selection, and extended menus to their default settings.
- Restores keypad tones to normal, ringer tones to standard, SMS alert tones to standard, volume level to medium, and network search frequency to medium.

### **Master Clear**



**Note:** All phone book entries are deleted with this option! Please use it with caution.

The master clear option performs the same operations as the Master Reset, but it also does the following:

- Clears phone book entries from memory (but not from SIM memory).
- Clears your list of all last calls made and received.
- Clears the message editor.
- Resets call timers.
- Erases all recorded VoiceNotes and Voice Tags.

Master Clear does **not** clear your:

- Fixed Dial list
- My Number list
- Charge meters
- Received and outgoing messages list
- Voicemail number
- SMS Service Centre number
- Lifetime timer



## Network Selection

To make and receive calls, your communicator must be registered with one of the available networks. These can be either GSM900, GSM1800 or combined GSM900/1800 network types.

Your communicator automatically searches for the last network used. If this network is not available, your communicator attempts to register with a different network.

When your communicator attempts to register with a different network, it generates a sorted list of networks. The network list is sorted in the following order:

- The Home network.
- Networks from a preferred list.
- A random list of other networks found above a certain signal strength.
- All remaining networks in descending order of signal strength.

## Change Band

This feature lets you select another band. If your communicator can not connect to a network after changing the band, use the Available Networks option.



## Available Networks

Use this to see which networks are operating in your area. When scanning is complete, press **menu** to display the list. When you find a network you want to register with or store in your preferred list, press **ok**. Follow the instructions given by your communicator to register and store your selection.





## Network Search

Determines how often your communicator attempts to register with a network and how the attempt is made.

### ***Registration Preferences***

Set this to an automatic search (performed by your communicator) or to manual search (performed by you).

- Automatic Search - Your communicator automatically generates a list of networks and then tries to register with the first network in the list. If registration fails, it tries to register with the next listed network. If registration totally fails, it starts searching all over again.
- Manual Search - Your communicator gives you a list of networks to choose from. If registration is successful, the network name is displayed. If registration fails, the list is displayed again.

### ***Frequency of Search***

You can set the amount of time your communicator waits before trying to re-register: slow, medium, fast, or continuous search.

**Note:** Fast and continuous search may use up a lot of battery power.





## Preferred Networks

### *Add Network to List*

You can add networks to your preferred list.

- If you choose from the available list, your communicator scans for the networks in your area, then displays the list. To store one in your preferred list, follow the instructions given by your communicator.
- You can select one from a list of known networks, then store it in your preferred list.
- To add a new network code, follow the instructions given by your communicator to enter the service provider number before storing it into your preferred list.

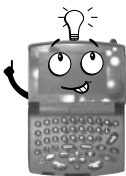


### *Show List of Networks*

You can have your communicator show you a list of networks. From the list, your can select one, then move it, delete it, or have your communicator display the information for the selected network.

## Find New Network

When selected, your communicator attempts to register with a network other than your current network. If the attempt fails, your communicator tries to register with the previous network.



## Call Meters Menu

You can have your communicator keep track of your calling time and charges. You can also have audible alert tones to let you know how long you have been on a call. Your communicator can accept values up to 21 digits long, although during calls it can only display the last 12 digits. In addition, you can set a maximum charge limit so that your communicator monitors either the number of units used or the call charges, and not allow the limit to be exceeded.

**Note:** Call cost information is only available if you receive the Advice of Charge service. If you do not receive this service, then only time meters are available.

### Show Call Charges

You can find out the charges for last call cost, the total for all your calls, and how much credit you have left.

**Note:** If you do not have the “Advice of Charge” service, your communicator only keeps track of the length of the call.

### Show Call Timers

Find out how long you talked during your last call, or the total time for all your calls. You can also reset all your timers to zero.

**Note:** If you do not receive the Advice of Charge, either all calls or only outgoing calls are timed.





## Set Audible Call Timers

You can set single or repetitive audible alerts at preset times to help you keep track of your time and charges.

### Set In-Call Display

Set this option to display the time or charge meters displayed during a call.

**Note:** If you have a total charge limit set, your remaining credit is always displayed.

#### *Show Time Per Call*

Displays the time meter during your calls.

**Note:** If you have the Advice of Charge service, your chargeable calls are always displayed.

#### *Show Charge Per Call and Show Total Call Charges*

These two options display the call charges meter during and after chargeable calls. The meter shows phone units or currency depending on your charge type (unit or currency) setting.



**Note:** If you do not receive the Advice of Charge, either all calls or only outgoing calls are timed, depending on the model.

#### *No In-Call Display*

Use this to turn off all display of time and charges.

### Call Charge Settings

If you receive the Advice of Charge service, you can customize your settings.



## ***Reset Call Charges***

Use this to reset all your meters to zero.

## ***Set Total Charge Limit***

You can set a maximum limit for call charges. When your limit is reached, the network does not allow you to receive anymore chargeable calls.

- When set to On, you need to enter a new limit as either units or currency, depending on the setting of your Set Charge Type option.

**Note:** Units are entered as whole numbers and currency is entered by name. For example, GBP for UK, DEM for Germany, or FFR for France.

**Note:** You can not make fax or data calls when you have this option set to On.

Reset or turn off your Total Charge Limit option to make to make more chargeable calls.


## ***Lifetime Timer***

Displays the total time of all calls that have been made on your communicator.






**Note:** This meter can not be reset.

## Quick Access Menu

While the features in your communicator are available through easy-to-use menus, some of the most commonly used features are also available in the Quick Access menu. Each feature in the menu is assigned a location number from 1 to 9.




Press  to display the Quick Access menu. The menu shown in the example represents some of the features you can set up in your Quick Access menu.

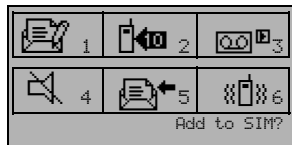
With appropriate setup, you can use a Quick Access feature by:

- Pressing  and say the Voice Tag name.
- Pressing  then enter the location number.
- Pressing  then use  to highlight a menu option then press  to select it.

Each Quick Access feature is represented by an icon. A selected icon has a dark background. You can change the features and the positions of the features in the Quick Access menu.

### Adding Location Numbers to Features in Your Quick Access Menu

1. From the Phone Setup menu, select the Quick Access Setup menu. Your communicator displays a list of features to choose from.
2. Use  to scroll to the feature you want to add then press .
3. Select "Assign Key to Feature" and press .
4. When prompted, press any number from 1 to 9 to store the feature in that location.





*Quick Access Menu Example*



**Note:** If a feature is already stored in the location number you choose, the new feature takes that location and the older feature is automatically removed.

## Adding or Editing Voice Tags to Features in Your Quick Access Menu

You can assign a Voice Tag to each of the 9 Quick Access Menu features.

1. From your quick access configuration menu, highlight the feature then press .
2. Select the “Add or Edit Voice Tag” option and press .
3. When prompted, say a Tag name. If there is a matching Voice Tag, the communicator repeats the name and displays the entry.
4. When recording is successful, your communicator displays a message that the tag has been stored and returns to the Quick Access Setup menu. If recording is not successful, your communicator prompts you to record the Tag again.

### Important Notes:





- If any one of the 9 Quick Access features has a Voice Tag assigned to it, and you attempt to display the Quick Access menu while wearing your headset, you need to say a tag name or your communicator returns to the Standby screen.
- If you are not wearing your headset, your communicator prompts for a tag name, then displays the Quick Access menu after a few seconds.















## Delete Voice Tag

**Note:** This option is not displayed if there are no Voice Tags to delete.

Highlight the Quick Access that has the Voice Tag you want to delete then press .

## Non-Roman Characters

To enter non-Roman characters, press   and the letter key from the following table. Multiple presses of the key may be required to access the character. For example, to type è, press  , then press E twice.

Keyboard Character	  1 time	  2 times	  3 times	  4 times	  5 times	  6 times	  7 times
E	é	è	É				
T	θ						
Y	ψ	¥					
U	ü	û	Ü				
I	ì						
O	ö	ø	ò	Ω	Ö	Ø	
P	Π						
A	ä	å	à	æ	Ä	Å	Æ
S	Σ	§					
F	Φ						



Keyboard Character	<small>alt</small> <small>space</small> 1 time	<small>alt</small> <small>space</small> 2 times	<small>alt</small> <small>space</small> 3 times	<small>alt</small> <small>space</small> 4 times	<small>alt</small> <small>space</small> 5 times	<small>alt</small> <small>space</small> 6 times	<small>alt</small> <small>space</small> 7 times
G	Γ						
L	Λ						
Z	Ξ						
C	Ç						
B	β						
N	ñ	Ñ					
?/	¿						
!:	¡						

## Accessories

The following accessories are designed to work with your Personal Communicator. Additional accessories may be available separately. Please refer to your local service provider or retail outlet for more information.

### Headset

The headset provides hands free use of your communicator and is required for phone operation.

### Power Adapter

The Power Adapter (charger) connects directly to your communicator. When connected, it charges the battery and provides normal operation of your communicator.

### UK Adapter Plug

The UK Adapter Plug connects the Power Adapter to a UK-style main power outlet.

### European Adapter Plug

The European Adapter Plug connects the Power Adapter to a Continental European-style main power outlet.

### Holster

Place your communicator inside this stylish holster, then clip the holster onto your belt, pocket, or handbag, or other apparel.

# Troubleshooting

## What to do if...

### **Personal Communicator does not turn on**

- *Check the battery.* Is it charged, properly fitted and are the contacts clean and dry?


### **You can't make calls**

- *Check the signal strength meter.* If the signal is weak, move to an open space or, if in a building, move close to a window.
- *Check your network settings.* Try to select another network.
- *Check your coverage map. Are restrictions set?*
- *Check your Call Barring and Fixed Dialing settings.*
- *Have you reached your call charge limit?* Reset your limit or contact your service provider.
- *Have you inserted a new SIM card?* Make sure no new restrictions have been imposed.

### **You can't receive calls**

- *Check the signal strength meter.* If the signal is weak, move to an open space or, if in a building, move closer to a window.
- *Check Call Diversion and Call Barring settings.* Check Ringer and VibraCall™ settings. If both are off, there is no audible alert.

### **Personal Communicator won't unlock**

- *Have you inserted a new SIM card?* Enter the new PIN code.
- *Do you have a replacement communicator?* Enter the default unlock code of 1234.
- *Did you forget your unlock code?* Press  to change it (you will need your security code).

### **Your PIN is blocked**

- Enter the PIN unblocking code supplied with your SIM card.

## Your PIN2 is blocked

- Enter the PIN2 unblocking code supplied with your SIM card.

## Your SIM card won't work

- *Is the card inserted correctly?*
- *Is it chipped, scratched, or visibly damaged?* Return it to your service provider.
- *Check the SIM contacts.* If dirty, clean them with an antistatic cloth.

## The battery won't charge

- *Check the charger.* Is it properly connected? Are its contacts clean and dry?
- *Check the battery contacts.* Are they clean and dry?
- *Check the battery temperature.* If it is warm, let it cool before recharging.
- *Is it an old battery?* Replace the battery.
- *Are you using a Motorola original battery?* Your charging system may not be able to communicate with your battery.

## The battery icon and meters are missing

- *Are you using a Motorola original battery?* Your charging system may not be able to communicate with your battery.

## The battery drains faster than normal

- *Are you in an area of variable coverage?* This uses extra battery power.
- *Is it a new battery?* A new battery needs two to three charge/discharge cycles to attain normal performance.
- *Is it an old battery?* Battery performance declines after several years of use.
- *Is it a battery that hasn't been completely discharged?* Allow the battery to fully discharge (until the communicator turns itself off) and then charge the battery overnight.
- *Check that the Frequency Of Search feature in the Network Selection menu has not been set to Fast or Continuous.*
- *Check that the Battery Saving Mode feature has not been set to Off.*
- *Are you using your phone in extreme temperatures?* At extreme hot or cold temperatures, battery performance is significantly reduced.
- Wait until you are in an area with good network coverage and try again.

## You can't cancel Call Diverting or Call Barring

## The symbol is flashing

## I can't make international calls

- *There is not enough memory available to store another SMS message.* Use the Messages menu to delete one or more existing messages.
- *Some service providers block the ability to make international calls.* Contact your Service Provider.
- *Have you included the correct codes?* Press and hold **0** (zero) to display the international dialing prefix (+) and then enter the country code followed by the phone number.

## Use and Care



Clean with a soft cloth dampened with soap and water.



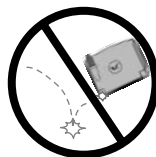
Do not immerse in water.



Do not use alcohol or other cleaning solutions.



Do not expose to excessive heat ...



... or extreme shock ...



... or moisture.

## Total Customer Satisfaction

At Motorola, Total Customer Satisfaction is a top priority. If you have a question, a suggestion or a concern about your Motorola Personal Communicator, Motorola wants to hear from you.

Please contact the Motorola Response Centre by fax on: +44 (0) 131 458 6732, or use one of the local phone numbers in the following countries:

• Australia	1800-667788	• Netherlands	0800 022 27 43
• Austria	0800 297246	• Norway	22 55 10 04
• Belgium	0800 72 370	• Oman	790925
• Canada	1 800 461 4575	• People's Republic of China	86 10 68466060
• Czech Republic	00420 2 21 85 21 01	• Portugal	01 318 0051
• Denmark	4348 8005	• Qatar	418999
• Egypt	02 3411800	• Saudi Arabia	01 2303294
• Eire	01 402 6887	• Singapore	65 4855 333
• Finland	0800 117 036	• South Africa	0800 11 48 49
• France	0 803 303 302	• Spain	902 100 077
• Germany	0180 35050	• Sweden	08 445 1210
• Greece	00800 441 28150	• Switzerland	0800 553 109
• Hong Kong	852 25063888	• Taiwan	886 2 87731746
• Italy	02 696 333 16	• Turkey	0212 425 9090
• Jordan	06 863750	• UK	0500 55 55 55
• Kuwait	484 2000 Ext 1177	• United Arab Emirates	04 32 11 66
• Lebanon	01 744156	• United States of America	1 800 331 6456
• Luxembourg	0800 21 99		

For email queries contact: [service1@mot.com](mailto:service1@mot.com)

For internet queries contact: <http://www.mot.com>

## WARRANTY INFORMATION

Motorola warrants to you, the original purchaser, the Personal Communicator and accessories which you have purchased from an authorised Motorola dealer (the "Products"), to be in conformance with the applicable Motorola specifications current at the time of manufacture for a term of [1] year from date of purchase of the Product(s) (Warranty Term).

You must inform Motorola of the lack of conformity to the applicable specifications of any of the Products within a period of two (2) months from the date on which you detect a defect in material, workmanship or lack of conformity and in any event within a term not to exceed the Warranty Term, by submitting the Product for service to Motorola. Motorola shall not be bound by Product related statements not directly made by Motorola.

A list of the Motorola Call Centre numbers is enclosed with this Product.

During the Warranty term, Motorola will, at its discretion and without extra charge, as your exclusive remedy, repair or replace your Product which does not comply with this warranty; or failing this, to reimburse the price of the Product but reduced to take into account the use you have had of the Product since it was delivered. This warranty will expire at the end of the Warranty Term.

This is the complete and exclusive warranty for a Motorola Personal Communicator and accessories and in lieu of all other warranties, terms and conditions, whether express or implied.

Where you purchase the product other than as a consumer, Motorola disclaims all other warranties, terms and conditions express or implied, such as fitness for purpose and satisfactory quality.

In no event shall Motorola be liable for damages in excess of the purchase price nor for any incidental special or consequential damages\* arising out of the use or inability to use the Product, to the full extent such may be disclaimed by law.

This Warranty does not affect any statutory rights that you may have if you are a consumer, such as a warranty of satisfactory quality and fit for the purpose for which products of the same type are normally used under normal use and service, nor any rights against the seller of the Products arising from your purchase and sales contract.



(\*) including without limitation loss of use, loss of time, inconvenience, commercial loss, lost profits or savings.

## **HOW TO GET WARRANTY SERVICE?**

In most cases the authorised Motorola dealer which sold and/or installed your Motorola Personal Communicator and original accessories will honor a warranty claim and/or provide warranty service. Alternatively, for further information on how to get warranty service please contact either the customer service department of service provider or Motorola's call centre at the telephone numbers below for your country.

In order to claim the warranty service you must return the communicator and/or accessories in question to Motorola please avoid leaving any supplementary items like SIM cards. The Product should also be accompanied by a label with your name, address, and telephone number; name of Carrier and a description of the problem. In the case of vehicular installation, the vehicle in which the communicator is installed should be driven to the Authorised Repair Centre, as analysis of any problem may require inspection of the entire vehicular installation.

In order to be eligible to receive warranty service, you must present your receipt of purchase or a comparable substitute proof of purchase bearing the date of purchase. The communicator should also clearly display the original compatible electronic serial number (IMEI) and mechanic serial number [MSN]. Such information is contained with the Product.

## **CONDITIONS**

This warranty will not apply if the type or serial numbers on the Product has been altered, deleted, removed, or made illegible. Motorola reserves the right to refuse free-of-charge warranty service if the requested documentation can not be presented or if the information is incomplete, illegible or incompatible with the factory records.

Repair, at Motorola's option, may include the replacement of parts or boards with functionally equivalent, reconditioned or new parts or boards. Replaced parts, accessories, batteries, or boards are warranted for the balance of the original warranty time period. The Warranty Term will not be extended. All original

accessories, batteries, parts, and communicator equipment that have been replaced shall become the property of Motorola. Motorola does not warrant the installation, maintenance or service of the products, accessories, batteries or parts.

Motorola will not be responsible in any way for problems or damage caused by any ancillary equipment not furnished by Motorola which is attached to or used in connection with the Products, or for operation of Motorola equipment with any ancillary equipment and all such equipment is expressly excluded from this warranty.

When the Product is used in conjunction with ancillary or peripheral equipment not supplied by Motorola, Motorola does not warrant the operation of the Product/peripheral combination and Motorola will not honor any warranty claim where the Product is used in such a combination and it is determined by Motorola that there is no fault with the Product. Motorola specifically disclaims any responsibility for any damage, whether or not to Motorola equipment, caused in any way by the use of the communicator, accessories and peripherals (specific examples include, but are not limited to: batteries, chargers, adapters, and power supplies) when such accessories and peripherals are not manufactured and supplied by Motorola.

### **WHAT IS NOT COVERED BY THE WARRANTY**

This warranty is not valid if the defects are due to damage, misuse, tampering, neglect or lack of care and in case of alterations or repair carried out by unauthorised persons.

1. Defects or damage resulting from use of the Product in other than its normal and customary manner.
2. Defects or damage from misuse, accident or neglect.
3. Defects of damage from improper testing, operation, maintenance, installation, adjustment, or any alteration or modification of any kind.
4. Breakage or damage to antennas unless caused directly by defects in material or workmanship.
5. Products disassembled or repaired in such a manner as to adversely affect performance or prevent adequate inspection and testing to verify any warranty claim.

6. Defects or damage due to range, coverage, availability, grade of service, or operation of the system by the operator.
7. Defects or damage due to moist, liquid or spills of food.
8. Control unit coil cords in the Product that are stretched or have the modular tab broken.
9. All plastic surfaces and all other externally exposed parts that are scratched or damaged due to customer normal use.
10. Leather cases (which are covered under separate manufacturer's warranties).
11. Products rented on a temporary basis.
12. Periodic maintenance and repair or replacement of parts due to normal wear and tear;

**Note:** The talk-time, stand-by time and total life cycle of a Motorola rechargeable battery for your communicator will depend on usage conditions and network configurations. As a consumable product, the specifications indicate that you should be able to obtain optimum performance for your Motorola Personal Communicator within the first six months from date of purchase and up-to (200) charges.

The warranty for Motorola rechargeable batteries becomes void if (i) the batteries are charged other than by Motorola approved battery chargers specified for the charging of the battery, (i) any of the seals on the battery are broken or show evidence of tampering, (iii) the battery is used in equipment or service other than the equipment for which it is specified.

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## Personal Numbers

You can use this page to keep track of important numbers.

### Service Provider

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### Family and Friends

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### Number

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### Number

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